

Statement 7

September 29, 2016

Statement By: Kevin Mottus, California Brain Tumor Association

See Attachments 33, 34, 35

I am strongly opposed to the FCC plan to rollout and auction 5G spectrum technology due to the non-thermal biological health effects created by radiofrequency/microwave radiation or electromagnetic fields (EMF) emitted by wireless transmitters. These documented effects are not recognized and not protected by our current FCC safety standards.

The EPA completed a comprehensive risk assessment study showing that EMFs can cause just what we're seeing now, increased rates of cancer, neurological disease, reproductive damage and immune system disorders (See Attachment 33, EPA Report). It was strongly recommended that this assessment report be followed up with additional studies, which were never done. Instead, the wireless industry was asked to carry out their own studies. The director of the industry's research program Dr. George Carlo, PhD published articles and eventually a book stating that cell phone radiation causes cancer and DNA damage and stating that the industry is hiding this information. (See Attachment 34, article by Dr. George Carlo and his book Attachment 35, "Cell Phones: Invisible Hazards in the Wireless Age: An Insider's Alarming Discoveries about Cancer and Genetic Damage").

I am strongly opposed to the FCC plan to rollout and auction 5G spectrum technology due to the non-thermal biological health effects created by radiofrequency/microwave radiation or electromagnetic fields (EMF) emitted by wireless transmitters. These documented effects are not recognized and not protected by our current FCC safety standards. MD and PhD experts, in the field of wireless microwave radiation health effects, warn us of the serious harm that microwave technology especially 5G along with its required deployment of multiple transmitters, will cause. We ask that you abort your plan to auction 5G spectrum and immediately halt the rollout of 5G technology testing. We need to immediately institute safety standards that take into account non-thermal biological health effects. The research attached and cited shows that, at the power levels required for this technology to operate reliably over the project's large areas, the radiofrequency/microwave radiation will have significant biological health effects, especially on electrosensitive individuals and children (Cancer, Neurological effects, immune system disorders, reproductive harm and others). **We are asking that you focus instead on installing only fiber optic wired connection to the Internet along with individualized subsidies to help poor people pay for wired/cabled connection to the Internet. Fiber optic wired connections eliminates wireless microwave radiation transmissions thus eliminating wireless microwave radiation health effects. In addition we insist on instituting RF Exposure standards significantly lower than our current thermal standards as recommended and**

**supported by the Bioinitiative Report (Bioinitiative.org/conclusions) of 0.0003
microWatts per centimeter squared.**

Kevin Mottus
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